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ABSTRACT

This book addresses teaching mathematics to students with learning disabilities, including characteristics and assessment of mathematics learning disabilities, mathematics programming and interventions, and teacher preparation. Chapters include: (1) "Mathematics Education and Students with Learning Disabilities: Instruction" (Diane Pedrotty Rivera); (2) "Mathematics Learning Disabilities: A View From Developmental Psychology" (Herbert P. Ginsburg); (3) "Disabilities of Arithmetic and Mathematical Reasoning: Perspectives from Neurology and Neuropsychology" (Byron P. Rourke and James A. Conway); (4) "Educational Aspects of Mathematics Disabilities" (Susan Peterson Miller and Cecil D. Mercer); (5) "Educational Assessment of Mathematics Skills and Abilities" (Brian R. Bryant and Diane Pedrotty Rivera); (6) "Instructional Design in Mathematics for Students with Learning Disabilities" (Douglas Carnine); (7) "Mathematics Instruction for Elementary Students with Learning Disabilities" (Carol A. Thornton, Cynthia W. Langrall, and Graham A. Jones); (8) "Mathematics Instruction for Secondary Students with Learning Disabilities" (Erin D. Jones, Rich Wilson, and Shalini Bhojwani); (9) "Cognitive Strategy Instruction in Mathematics for Students with Learning Disabilities" (Marjorie Montage); (10) "A Life Skills Approach to Mathematics Instruction: Preparing Students with Learning Disabilities for the Real-Life Math Demands of Adulthood" (James R. Patton, Mary E. Cronin, Diane S. Bassett, and Annie E. Koppell); (11) "Preparing Teachers To Teach Mathematics to Students with Learning Disabilities" (Rene S. Parmar and John F. Cawley); and (12) "Achieving Meaningful Mathematics Literacy for Students with Learning Disabilities" (Susan R. Goldman, Ted S. Hasselbring, and the Cognition and Technology Group at Vanderbilt). (Each chapter contains references.) (CR)

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